

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L31	1	(nozzle and hole and flange and ring and constrict\$3 and convex). clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/20 16:14
S1	290	215/343	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/12 12:07
S2	304	215/dig.1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/12 11:55
S3	225	S2 not S1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/12 12:03
S4	123	215/345 not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/12 12:04
S5	725	215/344,346,320.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/12 12:08
S6	636	S5 not S1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/12 12:09
S7	561	S6 not S2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/12 12:22
S8	163	220/254.3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/12 12:23
S9	136	220/254.1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/12 12:23
S10	1	("3924771").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 12:54
S11	4	("5857580").URPN.	USPAT	OR	ON	2005/09/12 12:54

## EAST Search History

S12	15	("0839977"   "3209963"   "3612322"   "3938691"   "4022352"   "4170315"   "4358032"   "4779756"   "4846360"   "4948001"   "5083671"   "5417339"   "5582333").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 12:55
S13	7	("5853093").URPN.	USPAT	OR	ON	2005/09/12 12:57
S14	22	("0761408"   "0829981"   "0889531"   "0922240"   "3910444"   "4116352"   "4580692"   "4674642"   "5230438"   "5384096"   "5390809"   "5405038"   "5406992"   "5469979"   "5546997"   "5558243"   "5564480"   "5564581").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 12:59
S15	7	("5638971").URPN.	USPAT	OR	ON	2005/09/12 13:00
S16	5	("3038624"   "3200981"   "4016996").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:01
S17	21	("4253581").URPN.	USPAT	OR	ON	2005/09/12 13:01
S18	8	("3021976"   "3215297"   "3239112"   "3532244").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:02
S19	19	("3854618").URPN.	USPAT	OR	ON	2005/09/12 13:03
S20	3	("3595421"   "4327842"   "4491238").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:03
S21	11	("4682707").URPN.	USPAT	OR	ON	2005/09/12 13:04
S22	5	("3369690"   "3730382"   "4079857"   "4234100").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:05
S23	51	("4380304").URPN.	USPAT	OR	ON	2005/09/12 13:05
S24	7	("3038624"   "3074579"   "3380610"   "3780897").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:07
S25	51	("4380304").URPN.	USPAT	OR	ON	2005/09/12 13:08
S26	12	("0589505"   "2772037"   "3245569"   "3348719"   "3415405"   "3752369"   "3854618").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:08
S27	14	("4140235").URPN.	USPAT	OR	ON	2005/09/12 13:09
S28	9	("4029231"   "4387818"   "4629081"   "4718567"   "4759455"   "4776475"   "4782964"   "4974735"   "5046630").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:11

## EAST Search History

S29	5	("4209100"   "4444326"   "4629081"   "4687112"   "4723669").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:14
S30	40	("4782964").URPN.	USPAT	OR	ON	2005/09/12 13:14
S31	5	("3463341"   "3638821"   "3923185"   "4156490").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:18
S32	4	("4251002").URPN.	USPAT	OR	ON	2005/09/12 13:19
S33	11	("3010596"   "3074579"   "3100577"   "3147876"   "3164279"   "3844439").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:19
S34	11	("3944104").URPN.	USPAT	OR	ON	2005/09/12 13:19
S35	10	("3209963").URPN.	USPAT	OR	ON	2005/09/12 13:21
S36	18	("3016168"   "3021976"   "3049264"   "3415412"   "3532248"   "3744662"   "3794207"   "3949897"   "3998354"   "3999678"   "4002516"   "4171062"   "4220249").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:21
S37	18	("4327842").URPN.	USPAT	OR	ON	2005/09/12 13:22
S38	19	("3528581"   "3599821"   "3603470"   "3625386"   "3759411"   "3790015"   "3850326"   "4010875"   "4209100"   "4220248"   "4235349"   "4244495"   "4377247"   "4401225"   "4513888"   "4533058"   "4625898"   "4629081").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:24
S39	23	("4759455").URPN.	USPAT	OR	ON	2005/09/12 13:25
S40	15	("0839977"   "3209963"   "3612322"   "3938691"   "4022352"   "4170315"   "4358032"   "4779756"   "4846360"   "4948001"   "5083671"   "5417339"   "5582333").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 12:18
S41	10	("3209963").URPN.	USPAT	OR	ON	2006/03/31 12:19
S42	7	("5853093").URPN.	USPAT	OR	ON	2006/03/31 12:20
S43	1	("3924771").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 12:21
S44	4	("5857580").URPN.	USPAT	OR	ON	2006/03/31 12:21
S45	5	("4209100"   "4444326"   "4629081"   "4687112"   "4723669").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 12:22

## EAST Search History

S46	8	("3036746"   "3323671"   "3604585"   "3927805"   "4022352"   "4042105").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 12:22
S47	18	("3016168"   "3021976"   "3049264"   "3415412"   "3532248"   "3744662"   "3794207"   "3949897"   "3998354"   "3999678"   "4002516"   "4171062"   "4220249").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 12:24
S48	5	("3463341"   "3638821"   "3923185"   "4156490").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 12:24
S49	4	("3415405"   "3430777").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 12:26
S50	8	("3638821").URPN.	USPAT	OR	ON	2006/03/31 12:26
S51	5	("3369690"   "3730382"   "4079857"   "4234100").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 12:28
S52	56	("4380304").URPN.	USPAT	OR	ON	2006/03/31 12:28
S53	14	("0217127"   "1853073"   "2750063"   "2800241"   "2992761"   "3067898"   "3167220").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 12:30
S54	9	("4029231"   "4387818"   "4629081"   "4718567"   "4759455"   "4776475"   "4782964"   "4974735"   "5046630").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 12:31
S55	14	("5096077").URPN.	USPAT	OR	ON	2006/03/31 12:32
S56	14	("5096077").URPN.	USPAT	OR	ON	2006/03/31 12:34
S57	10	("3209963").URPN.	USPAT	OR	ON	2006/03/31 12:35
S58	12	("0589505"   "2772037"   "3245569"   "3348719"   "3415405"   "3752369"   "3854618").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 12:36

## EAST Search History

S59	195	("1033688"   "1033689"   "1102302"   "1173546"   "1666743" "1861602"   "1925926"   "2272867"   "2312380"   "2361958" "2391345"   "2474678"   "2484148"   "2574422"   "2575106" "2694511"   "2762537"   "2808183"   "2812120"   "2894660" "2961133"   "3078497"   "3094256"   "3131824"   "3135441" "3140019"   "3157322"   "3201011"   "3209963"   "3251509" "3252632"   "3262606"   "3300104"   "3302835"   "3303971" "3371827"   "3377005"   "3383019"   "3400866"   "3429488" "3469739"   "3471066"   "3484027"   "3516581"   "3539075" "3542256"   "3604585"   "3642179"   "3653546"   "3659756" "3675804"   "3675812"   "3702165"   "3718239"   "3734359" "3771685"   "3773232"   "3785528"   "3847313"   "3853250" "3872996"   "3927805"   "3948422"   "3957181"   "3966080" "3967764"   "4006836"   "4015756"   "4022352"   "4106672" "4158902"   "4219138"   "4220248"   "4231486"   "4284200" "4286636"   "4291818"   "4301949"   "4343397"   "4358032" "4371095"   "4377247"   "4399928"   "4441637"   "4487342" "4545508"   "4579260"   "4598839"   "4625898"   "4645086" "4678107"   "4727999"   "4732303"   "4776501"   "4793502" "4801054"   "4815616"   "4838460"   "4848601"   "4861541" "4911635"   "4962869"   "4978035"   "4982882"   "5022566" "5022567"   "5052595"   "5054662"   "5058775"   "5065912" "5105989"   "5123561"   "5147072"   "5192005"   "5193704" "5201440"   "5213235"   "5236107"   "5242079"   "5259538" "5279451"   "5284264"   "5314093"   "5341960"   "5346100").PN. OR ("5370277"   "5370284"   "5377882"   "5464111" "5482172"   "5544790"   "5579961"   "5662245"   "5813554" "6073805"   "D204511"   "D223602"   "D224092"   "D236880"   "D245225"   "D325164"   "D353332"   "D570702"   "D570861"   DN	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 12:37
12/20/06 4:15:16 PM	C:\Documents and Settings\ingo\My Documents\EAST\Workspaces\10686409.2.wsp					Page 5

## EAST Search History

S60	7	("5096077"   "5143234"   "5145080"   "5160057"   "5205424"   "5560505"   "5690241").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 12:41
S61	10	("3209963").URPN.	USPAT	OR	ON	2006/03/31 14:54
S62	5	("4209100"   "4444326"   "4629081"   "4687112"   "4723669").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 14:57
S63	44	("4782964").URPN.	USPAT	OR	ON	2006/03/31 14:58
S64	44	("4782964").URPN.	USPAT	OR	ON	2006/03/31 15:05
S65	12	("3623622"   "3817416"   "3826394"   "3991904"   "4002275"   "4171749"   "4449639"   "4782964"   "4796769"   "4984701"   "5104008"   "5197619").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 15:17
S66	4	("5398829").URPN.	USPAT	OR	ON	2006/03/31 15:18

## EAST Search History

S67	152	("0802760"   "0898005"   "1182515"   "1662682"   "1676846" "2096802"   "2249832"   "2259992"   "2342477"   "2439985" "2526458"   "2624907"   "2659510"   "2663463"   "2734665" "2765488"   "2765949"   "2833447"   "2874881"   "2889087" "2950847"   "2987223"   "3045860"   "3054535"   "3077282" "3243838"   "3285256"   "3307752"   "3317274"   "3394835" "3497908"   "3515314"   "3603470"   "3604585"   "3703975" "3710989"   "3754639"   "3765578"   "3768707"   "3802607" "3884396"   "3927805"   "3984028"   "4002275"   "4022352" "4047495"   "4087028"   "4109821"   "4124151"   "4127221" "4146146"   "4158902"   "4172540"   "4193164"   "4204615" "4209100"   "4209114"   "4220248"   "4220253"   "4220262" "4234103"   "4236653"   "4257537"   "4257561"   "4310105" "4353483"   "4377248"   "4378066"   "4383618"   "4387819" "4444326"   "4467931"   "4513888"   "4527690"   "4533058" "4540090"   "4546894"   "4625898"   "4629081"   "4640428" "4646916"   "4658547"   "4666036"   "4666068"   "4696408" "4699283"   "4706813"   "4711360"   "4717050"   "4718567" "4723669"   "4726484"   "4727999"   "4739906"   "4742928" "4747498"   "4749108"   "4759455"   "4776475"   "4782964" "4787526"   "4790442"   "4793484"   "4807781"   "4809874" "4821898"   "4821899"   "4838441"   "4858776"   "4887747" "4892208"   "4925041"   "4993606"   "5002206"   "5038957" "5048715"   "5065876"   "5092493"   "5121859"   "5141138").PN.	US-PGPUB; USPAT; USOCR'	OR	ON	2006/03/31 15:19
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## EAST Search History

S68	25	("2874881"   "3170633"   "3340873"   "3354883"   "3381860" "3397694"   "3411503"   "3464414"   "4002168"   "4030664" "4330531"   "4331146"   "4412836"   "4618076"   "4809914" "4811866"   "4832215").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 15:21
S69	3	("5002206").URPN.	USPAT	OR	ON	2006/03/31 15:22
S70	10	("2670885"   "3099361"   "3343700"   "3860152"   "3888373" "4171749"   "Re29850").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 15:28
S71	25	("2874881"   "3170633"   "3340873"   "3354883"   "3381860" "3397694"   "3411503"   "3464414"   "4002168"   "4030664" "4330531"   "4331146"   "4412836"   "4618076"   "4809914" "4811866"   "4832215").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/31 16:45
S72	18	("3170633").URPN.	USPAT	OR	ON	2006/03/31 16:48
S73	3	("5002206").URPN.	USPAT	OR	ON	2006/03/31 16:51
S74	2107	222/212	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/31 16:52
S75	0	A61J01/05.IPC.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/26 10:04
S76	3993	A61J001/05.IPC.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/26 10:54
S77	632	B65D047/18.IPC.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/26 10:55
S78	0	S76 not S76	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/26 10:55
S79	535	S77 not S76	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/26 10:55
S80	10	("3209963").URPN.	USPAT	OR	ON	2006/08/15 10:24



## EAST Search History

S81	2585	222/566-570.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/15 10:25
S82	18	("0242962"   "1151997"   "2311763"   "2370668"   "2497134"   "2605931"   "2830731"   "3630419"   "3926348"   "3966099"   "4785839").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/15 10:34
S83	4	("5799836").URPN.	USPAT	OR	ON	2006/08/15 10:35
S84	12	("3149758"   "3176883"   "3346146"   "4093124"   "4113627"   "4186882"   "4533068"   "4737148"   "4765499").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/15 10:41
S85	28	("4917271").URPN.	USPAT	OR	ON	2006/08/15 10:42
S86	1	("3698584").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/15 10:50
S87	8	("3910463").URPN.	USPAT	OR	ON	2006/08/15 10:50
S88	0	("7011221").URPN.	USPAT	OR	ON	2006/08/15 10:50
S89	2	("3158110").URPN.	USPAT	OR	ON	2006/08/15 10:58
S90	6	("3122287").URPN.	USPAT	OR	ON	2006/08/15 10:59
S91	5	("3117702").URPN.	USPAT	OR	ON	2006/08/15 11:01
S92	5	("3117702").URPN.	USPAT	OR	ON	2006/08/15 11:02
S93	1	("3083883").URPN.	USPAT	OR	ON	2006/08/15 11:05
S94	21	("2889089").URPN.	USPAT	OR	ON	2006/08/15 11:07
S95	19	("2889089"   "2907489"   "3021976"   "3113693"   "3135441"   "3269617"   "3282477"   "3317070"   "3608771"   "3776434"   "3807595").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/15 11:08
S96	5	("3945529").URPN.	USPAT	OR	ON	2006/08/15 11:11
S97	3	("2866581").URPN.	USPAT	OR	ON	2006/08/15 11:12
S98	2	("1892788").URPN.	USPAT	OR	ON	2006/08/15 11:31
S99	3	("1403197").URPN.	USPAT	OR	ON	2006/08/15 11:37
S10 0	2	("1266394").URPN.	USPAT	OR	ON	2006/08/15 11:38
S10 1	12	("3149758"   "3176883"   "3346146"   "4093124"   "4113627"   "4186882"   "4533068"   "4737148"   "4765499").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/15 12:05

## EAST Search History

S10 2	12	("3623622"   "3817416"   "3826394"   "3991904"   "4002275"   "4171749"   "4449639"   "4782964"   "4796769"   "4984701"   "5104008"   "5197619").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/15 14:23
S10 3	4	("5398829").URPN.	USPAT	OR	ON	2006/08/15 14:24